

AMENDMENTS TO THE CLAIMS

1. **(Canceled)**
2. **(Previously presented)** A portable gas fractionalization apparatus, comprising:
 - plural adsorbent bed columns mounted side by side;
 - an integrated fluid flow manifold mounted on one end of said columns and comprised of a plurality of integrated flow passages and a plurality of valves which control flow of fluid through said integrated flow passages to and from the columns; and
 - a circuit board comprising circuitry which controls said valves, said manifold disposed between the circuit board and the one end of the columns.
3. **(Original)** The apparatus of Claim 2, wherein contacts on the circuit board are in direct electrical contact with mating contacts on the valves.
4. **(Previously presented)** A portable gas fractionalization apparatus, comprising:
 - plural adsorbent bed columns mounted side by side; and
 - an integrated fluid flow manifold mounted on one end of said columns and comprised of a plurality of integrated flow passages and a plurality of valves which control flow of fluid through said integrated flow passages to and from the columns, wherein said integrated fluid flow manifold comprises at least one piloted valve.
5. **(Previously presented)** A portable gas fractionalization apparatus, comprising:
 - plural adsorbent bed columns mounted side by side; and
 - an integrated fluid flow manifold mounted on one end of said columns and comprised of a plurality of integrated flow passages and a plurality of valves which control flow of fluid through said integrated flow passages to and from the columns, wherein said integrated fluid flow manifold has a gravity water trap positioned therein.
6. **(Previously presented)** The apparatus of Claim 2, wherein said adsorbent columns comprise one or more feed tubes configured to direct fluid to flow from flow passages in the integrated manifold mounted on one end of the columns to an opening in the other end of the columns.
7. **(Previously presented)** The apparatus of Claim 2, wherein said integrated manifold comprises an upper plate and a lower plate, said plates comprising a plastic material.
8. **(Previously presented)** A portable gas fractionalization apparatus, comprising:

a compressor which produces a feed gas;

plural adsorbent beds connected to receive the feed gas from the compressor via a fluid pathway, said beds providing a purified gas and a waste gas from said feed gas, said waste gas expelled from said beds via a waste gas pathway; and

a water trap which traps water condensed in said fluid pathway to prevent said water from reaching said beds, said water located in said waste gas pathway such that said expelled waste gas carries the water away from the beds.

9. **(Previously presented)** The apparatus of Claim 8, wherein said water trap is positioned at a lower elevation relative to said fluid pathway, wherein gravity causes said condensed water in the fluid pathway to flow into said water trap located at the lower elevation.

10. **(Original)** The apparatus of Claim 9, wherein said water trap is positioned in a laminated manifold.

11. **(Previously presented)** The apparatus of Claim 10, wherein said water trap is positioned in the center of a three way junction formed by airflow pathways to and from a feed valve, an exhaust valve, and a connection to at least one of the plural adsorbent beds.

12. **(Previously presented)** A portable gas fractionalization apparatus, comprising:

a housing;

a compressor mount having an upper surface and an opening defined by said upper surface;

a compressor assembly mounted in the housing on said compressor mount, wherein a first portion of the compressor assembly rests on the upper surface of the compressor mount and a second portion of the compressor assembly extends into the opening and remains suspended therein.

13. **(Previously presented)** The apparatus of Claim 12, further comprising a vibration damping member interposed between the compressor mount and the compressor, wherein said vibration damping member comprise a grommet having a plurality of ribs formed thereon.

14. **(Previously presented)** The apparatus of Claim 13, further comprising a compressor restraint connected between the compressor and the housing and sufficiently elastically yieldable to non-rigidly fasten the compressor to the housing, wherein said compressor restraint does not substantially exert active force on the compressor assembly when the housing is in its upright

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position so that the second portion of the compressor assembly remains suspended in the opening of the compressor mount so as to reduce vibration coupling from the compressor to the housing.

15 - 21 (Canceled)

22. (Currently amended) An adsorbent bed column, comprising:
an elongated housing;
plural adsorbents positioned inside the housing; and
a first filter comprised of a frit positioned proximate one end of the housing
adjacent at least one adsorbent, wherein the column of Claim 18, further comprising a
wave spring positioned against an exterior surface of the first filter so as to apply a
substantially even pressure over the first filter.

23. (Previously presented) The apparatus of Claim 14, wherein the compressor restraint comprises an elastic tether having elongated legs configured with preformed bends which extend away from each other, said bends can be pressed toward each other to straighten the legs and increase the overall length of the compressor restraint so as to facilitate mounting and removal of the compressor restraint.